

(SF-1124)

Mutation Activity of Certain Cholinesterase
Inhibitors, by I. A. Rapoport, R. G. Kostyanovskiy,
8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 1,
Mar/Apr 1960, pp 191-194.

JPRS 4175

Sci - Biol

134, 416

Dec 60

<p>Kostyanovskii, R. G. REACTION OF ETHYLENE-IMINE WITH FORMALDEHYDE. [1961] 5p. 15 refs. Order from OTS or SLA \$1.10</p> <p>Trans. of Akad[emiya] Nauk SSSR. Doklady, 1960, v. 135, no. 4, p. 853-856.</p> <p>DESCRIPTORS: *Ethylenes, *Imines, Formaldehyde, Chemical reactions.</p> <p>(Chemistry--Organic, TT, v. 6, no. 9)</p>	<p>61-18603 I . Kostyanovskii, R. G. 61-18603</p> <p>Office of Technical Services</p>	
--	---	--

R-900

(DC-1942)

"Cutting of Woofers and Shavings, by V. N.
Kostylevskiy, D. A. Iyubimov, (Technical Data on
Soviet Heavy Machinery From the Bulletin of Technical
and Economic Information, 1957"), 4 pp. U.S. 120

RUSSIAN, per, Zhurnal Tsvetnoi Informatsii, No 4,
Moscow, 1957, pp 22-25.

US JPRS/DC-352

USSR
Econ - Heavy Machine bldg.
Jan 58 59

77,865

Necessary Conditions of the Extremum for one
Variation Problem With a Distribution Parameter,
by G. I. Koptyug, 1969

RUSSIAN, per, Iz Vyschikh Ucheb Zaved MVLSSO SSSR,
Seriya Aviats Tekh, No 2, 1969, pp 124-133.

JPRS 22668

Sci
Jan 64

346 109

Certain Variational Problems on Approximation,
and Interaction, by G. I. Kostychev, 13 pp.

RUSSIAN, per, Iz Vyssh Ucheb Zaved Aviats
Tekh, No 3, 1962, pp 25-33. 9685129

FTD-TT-63-401

Sci-Aero

Aug 63

342,051

Shape of Bodies With Minimum Wave Drag, by
G. I. Kostychev, 7 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, MVO,
SSSR, Ser Aviationsionnaya Tekh, No 2, 1958,
pp 9-15. 9071192

DT/4187
Consultants Custom Tr 28/12

Sci

127,141

Sep 60

n the Use of Virtual Cathodes for Microwave Detection, by A. I. Kostyenko, M. N. Devyatkov, A. A. ebed', 10 pp.

USSIAN, per, Radiotekh i Elektron, Vol IV, No 3, 959, pp 482-488.

PP

ci

ep 60

127,346

Influence of Load on the Synchronous Operation of
Two Reflex Klystrons, by A. I. Kostyanko, G. I.
Lyubimov, 5 pp.

RUSSIAN, per, Radiotekhnika i Elektronika, Vol III, No 1,
1958, pp 112-115.

Pergamon Press

Sci - Electron

Sept 59

96,797

Experimental Study of Metallysynchronous
Operation of Reflex Klystrons in the Three-
centimetre Waveband, by S. D. Gvozdover,
A. I. Kostyenko, G. P. Lyubimov, 11 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol III,
No 1, 1958, pp 101-111.

Pergamon Press

Sci - Electron

Sept 59

96,796

Information on the Kogal'gar'de astronomical
Observatory for Radar Observation of Planets,
by A. V. Kostyev, Yu. A. Sushkov,
V. V. Sidorchuk, 25 pp.

ENCLOSURE, per, Byul Astron Observation 1960
NIN Ussr, No 35, 1960. 9671603

FTP NCL-13587

AM - Areo

17/10/61

27 NOV 61

9-5506

(DC-3083).

Characteristics of Tilon A and Tilon B in the Ion Exchange Separation of Elements of the Cerium Subgroup, by Z. F. Andreyeva, A. S. Kostygev, 6 pp.

RUSSIAN, bk, Redkozvezd 'nyye Elementy (Poluchaniye, Analiz, Primeneniye), 1958, pp 108-111.

JPR6-L-1929-D

Sci - Chem
Nov 59

101,700

Investigations of the Electrical breakdown of
Fins of organic glass and celluloid, by
V. A. Kostygin.
RUSSIAN, rpt, Sh. Probel Dielektrikov i Polimirov-
nikov. N. L. Energizn, 1964, pp 174-176.
*FD MI-24-148-167

84

V. A. Kostygin

Sci-Materials
Aug 67

326,425

Kostygov, N. M.
PHARMACOLOGICAL PROPERTIES OF OCTATEN-
ZINE-2(1'-AZACYCLOCTYL)-ETHYL-GUANIDINE
SULFATE. May 63, 13p. 15 refs.
Order from OTS or SLA \$1.60

63-18768

Trans. of Farmakol[ogiya] [Toksikol[ogiya]] (USSR)
1963, v. 26, no. 1, p. 28-35.

DESCRIPTORS: *Guanethidine, *Hypertension, *Hy-
potension, Blood pressure, *Cardioactive agents,
Toxicity, Laboratory animals.

The work is devoted to the study of general and
cardiovascular effects, as well as toxicity of
2 (1'-azacyclooctyl)-ethyl-guanidine octatenzine sulfate
in acute and chronic experiments. In acute experi-
ments staged on cats and rabbits (urethanized and de-
cerebrated) an intravenous injection of octatenzine in
(Biological Sciences--Pharmacology, TT, v. 10, no. 11)
(over)

63-18768

I. Kostygov, N. M.

...00444

Office of Technical Services

The Antidotal Action of Mercaptosuccinic Acid and Urithiol Against Mercury) W. N. Kostygov, pp.

RUSSIAN, per, Farmakol i Toksikol, Vol XXI,
No 3, 1958, pp 64-68.

Consultants Bureau

Sci - Med

Apr 59

85-637

the Milk Canning Industry in the Soviet Union,
by V. Kostyukov, 7 pp.

1957, per, Molochnaya Promst., No. 1,
1962, pp. 1-5.

SP200 16361

SP200
16361
Dec 62

11/2/62

V
Soviet Start-Stop Telegraph Apparatus; General
Problems of Telegraphy, by Yu. U. Kostykov,
332xpx UNCLASSIFIED

RUSSIAN, bk, Tekhnika Svyazi, Sec 6, pp 57-66,
Sec 7, pp 319-324, publ by the Military Publishing
House of the War Ministry of the USSR, Moscow,
1953, Encl 3 to NA Moscow, Ser 128-53, 23 Dec 1953.

Navy Tr 1054/OMI 1280

Scientific - Electronics

18, 946

Induction Period in the Crystallization of Super-saturated Solutions, by E. Pozner, K. Asanov, K. Kostylev, 9 pp.

RUSSIAN, per, Zhur Piz Khim, Vol XIII, 1939, pp 889-895.

SLA R-2840

Sci

Jul 59

92,425

Second All-Union Seminar on Radio Methods of Observing Meteoric Ionization, by K. V. Kostylev, 3 pp.

RUSSIAN, per, Astron Zhur, Vol XXXVI, No 6,
1959, pp 1144-1146.

Amer Inst of Phys
Soviet Astron-AJ
Vol III, No 6

Sci

Jul 60

120,588

Equipment for Radio-Echo Observation of Meteors,
With Automatic Recording, at the Engel'garit
Astronomical Observatory, by K. V. Kostylev, 8 pp.

USSIAN, per, Astron Zhur, Vol XXXV, No 4, 1958,
pp 643-650.

Amer Inst of Phys
Sov Astron - AJ
Vol II, No 4

Sci - Astron
Jul 59

91,678

The Technique of Applying Finger Grids to
Determine Strains in Models, by Yu. V.
Kostylev, G. A. Batranina, 3 pp.

RUSSIAN, per, Zavod Lab, Vol XXIV, No 1,
1958, pp 114-116.

Instro Soc of Amer

Sci

113, 233

Apr 60

On Metamictic Disintegration of the Zircon Group of Minerals, by E. E. Kostyleva, 16 pp.

RUSSIAN, per, Voprosy Mineralogiy, Geokhimiy i Petrografiya, Akademiy Nauk SSSR, 1946, pp 27-35.

AEC/TEI-369

Scientific - Min/Metals CIS/DEX

7315-

Determination of Silicon in Gray Irons by the
Thermo-EMF Method, by L. A. Kostyleva,
G. A. Tatarinov,
RUSSIAN, per, Zavodskaya Laboratoriya, Vol 30,
No 9, 1964, p 1074.
HB 6080

USSR
Sci/M&M
May 65

Synthesis of Automatic Control Systems With
Variable Structure Having a Discontinuous
Switching Function, by S. V. Yemel'yanov,
N. Ye. Kostyleva, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, OTN, Tekh Kibernet,
No 1, 1964, pp 182-186.

JPRS 24536

Sci
ay 64

21-7-1977

IMPLEMENTATION OF MINISTRY OF TRANSPORTATION,
BY WŁADYSLAW KROTHA, 10 PP.

POLISH, PPR, PRZEGIĘG ZEZNACZANTY, VOL 1,
NO 12, 1946, PP 153-156.

JPG 30747

DDR - POLAND

ECON

MAR 63

205,197

Remote Level Measuring in Reservoirs, by
O. Kostyrev, 4 pp.

RUSSIAN, per, Neftyanik, No 11, 1961,
pp 16-17. 9678065

FTD-TT-62-849

Sci - Engr
Sep 62

2/1, 092

(SF-1880)

Equivalence Condition of Differential-
Control Systems and Control Systems by
Disturbance, by O. M. Kostynk, 7 pp.

RUSSIAN, per, Avtomatyka, No 1, 1961,
pp 26-31.

JPRS 13268

190, 408

Sci - Phys

Apr 62

Methode de production de couches scintillantes en
ZnS pour la detection des particules alpha, by
A. Kostyrko, A. Wisniewski, 9 pp.

POLISH to FRENCH, per, Nukleonika, Polska, Vol VII,
No 6, 1962, pp 425-~~25~~428.

Reverse Translation
CEA-X-523

Sci
Mar 64

Investigations of Water Decomposition due
to Radiation in the Primary Cooling Circuit
of the EWA Reactor, by A. Kostyrko, 9 pp.

POLISH, per, Nukleonika, Vol V, No 3,
1960, pp 133-142.

AEC Tr-4158

Sci

Jan 63

220,568

Annealing Brittleness of Steel in Relation to
Size Effect, by M. P. Braun, O. S. Kostyrko,

4 pp.

RUSSIAN, per, Zavod Lab, Vol XXVII, No 3, 1961,
pp 318 - 320.

ISA

196, 663

Sci
Mat 62

On the Theorem of the Singularity of the Cauchy
Problem and the Mixed Problem for Certain Types
of Linear Equation Systems in Particles, by
A. G. Kostyshenko.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIII, No 1,
1955,

Navy 2341/T-88

Sci - Physics
Oct 59

100, 931

Visual Estimation by the Ground Controller in
Vectoring Fighters to Aerial Targets, by N. A.
Kostyukhnikov, 9 pp.

RUSSIAN, par, Vent Voz Flot, No 12, 1957, pp 17-
24. 643041

ATTIC

USSR

Mil

Feb 59

81,133

50

Biology and Fisheries of Main Commercial
Fish of the Black and Azov Seas, by
V. A. Kostyuchenko,
Russia, per, Trudy Azovo-Chernomorskiy
Naučno-Issled Institut Morskogo Rybnogo
Kraza, i Okeanografii, Vol XIX, 1961,
p. 45-60.
NLL RTB S172
(On Loan or Purchase)

V. A. Kostyuchenko

Scien-Amer Soc & Ocean

A, P, 67

322,934

Stresses in a Rotating Disc During Creep
by A. G. Kostyuk. UNCL

RUSSIAN, per, *Inzheernyi Sbornik*, Vol XV,
1953, pp 15-20.

DSIR LIBRARY M.942

(loan)

Sci - Engr
Feb 60

107 672

Formation of a Self-Adaptive Signal in Self-⁴⁸
Adaptive Systems with Frequency Filters,
by V. I. Kostyuk.

Abstrakcija, per, Iz Ak Nauk SSSR, OTN, Tekhn
Kibernet, No 2, 1965, pp 165-173.
Scit of Navy Tr 4344/APL No T-1494

Kostyuk, V.I.

sci - elec

ov 66

292,774

Vibrations in Turbomachines, by A. G. Kostyuk,
Moscow, bk, Kolebaniya v Turbomashinakh,
1964.

*UTD-11-25-527-67

ALL 36 28.23F AD 67245
A. G. Kostyuk

Sci-Tech, Inc. Ingr
Mar 67

The Temperature Field of a Turbine Disc, by
A. G. Kondr Kostyuk, 17 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 6
1954, pp 25-36. 7/12/63

7/12/63 9.00
Sci Mu Lib Tr 55/1421

26, 761

Scientific - Physics,

Sep 55 CIS

Calculation of the Profile of a Rotating Disc
Under Gravitational Conditions, by A. G. Mostyuk.
USSR.

RUMYANTSEV, E. Mat Mekh, Vol XVII, 1953,
pp 615-618.

DSTP Lending Library Unit M.40

Sci - Math
Apr 59

83,976

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5,
p. 3-6.

DESCRIPTORS: *Power plants, USSR, *Gas turbines.

61-22989

I. Kostyuk, A. G.
II. Shuvalov, G. L
III. FT-601
IV. Faraday Translations,
New York

WPKS 9856

Office of Technical Services

(Engineering--Mechanical, TT, v. 6, no. 4)

On the Equilibrium Constants of the Reaction
Between Potassium Mercuric Bromides and Iodides
With Alkali, by A. P. Kostyuk, V. A. P'yankov,
L. P.

RUSSIAN, por, Zhur Neorgan Khim, Vol II, No 7,
1957, pp 1535-1537.

AEC-tr-4057

Sci - Chemistry

Dec 60

154, 117

PST 84

The Configuration and Properties of Unsaturated
Acids and Their Derivatives, II. V. The Properties
of Angelic and Eiglic Acids and Their Esters by
A. K. Plisov and A. P. Kostyuk, 4 pp.

Pull to

RUSIAN, no par, ~~Rev. Chem.~~, Vol. XXVI, No 3,
1956, p 725-728.

Consultants Bureau

Sci - Chemistry
Jan 57 QTB

42,582

The Equilibrium Constants of the Reaction Between
Potassium Bromo- and Iodomercuriates and Alkali,
by A. P. Kostyuk, V. A. Frankov, 4 pp.

RUSSIAN, per, Zhur Naorg Khim, Vol II, 1957,
pp 1535-1537.

ABC 3427

113

Vibrations in Turbomachinery, by A. G. Kostynk,
205 pp.
RUSSIAN, bk, Kolebaniya v Turbomashinakh, 1961,
pp 1-214. P100169668-V
FTD-MT-23-527-67

(DC-3428)

Problems of the Psychology of Thinking, by
G. S. Kostyuk, 130 pp.

RUSSIAN, bk, Psichologicheskaya kniga v SSSR,
Vol I, 1959.

(FDD 20155)

I. P. Pavlov's Theories and Philosophical Questions
in Psychology, by G. S. Kostyuk, 13 pp.

RUSSIAN, no per, Sov Kniga, No 6, Moscow, Jun 1953,
pp 78-82.

CIA/FDD/U-5630

USER

Sci - Med

Mar 54 CIS 11,663

(DC-2700/59)

The Development of Agriculture in the Kirgiz SSR
During the Seven-Year Plan Period, by N. I.
Kostyuk, 7 pp.

RUSSIAN, per, Khlopkovodstvo, No 11, 1960,
pp 4-10.

JPRS 8099 149 cl.1

(TOP SECRET)

Performance Indices for the USAZM, LURKA,
Ludmilya and z Tootsi Peat Briquet Plants for
1957-1958, by N. S. Kostyuk. 5 pp.

USSR, per, Torfyanaya Prom, No 5, 1959,
pp 17-18.

JPRS 13624

USSR
Econ
May 62

193, 609

New Methods of Neurophysiological Investigation,
by P. G. Kostyuk, 6 pp.

RUSSIAN, per, Vest Ak Medit Nauk SSSR, Vol XIX,
No 2, 1964.

JPRS 24682

Sci

Kostryuk, P. G.
FUNCTIONAL PRESYNAPTIC AND POSTSYNAPTIC
CHANGES DURING DEGENERATION OF CENTRAL
SYNAPSES. Nov/Dec 63, 6p 40refs
Order from FASEB \$2.00 in Federation Proceedings
Translation Supplement, v. 22, no. 6, p. II,
p. T1101-T1106

Trans. of *Fiziolicheskii Zhurnal SSSR, 1962,
v. 48, no. 11, p. 1316ff.

DESCRIPTORS: *Nerve cells, *Atrophy, Brain,
Spinal cord, *Neuromuscular transmission,
Bioelectronics, *Motor reactions, Regeneration

TT-63-17973-6
(p. T1101-T1106)

I. Kostryuk, P. G.
II. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.

(NY-6551/2)

Peculiarities of the Course of the Excitation
Process in Various Parts of the Motor Neuron,
by P. G. Kostyuk, I. P. Semenyutin, 20 pp.

RUSSIAN, per, Fiziol Zhur, Vol VII, No 2,
Mar/Apr 1961, pp 165-176.

JPRS 9968

Sci - Med
Sep 61

167, 899

2

Kostryuk, P. G. and Savoskina, L. O.
FUNCTIONAL CHANGES IN DEGENERATING
SYNAPTIC ENDINGS. Nov/Dec 63, 5p 23refs
Order from FASEB \$2.00 In Federation Proceedings
Translation Supplement, v. 22, no. 6, pt. II,
p. T1107-T1111

Trans. of Fiziologichnyi Zhurnal (USSR) 1962, v. 8,
no. 5, p. 581ff.

DESCRIPTORS: *Nerve cells, *Neuromuscular
transmission, *Spinal cord, Motor reactions,
*Atrophy, Bioelectronics.

TT-63-17973-6
(p. T1107-T1111)

I. Kostryuk, P. G.
II. Savoskina, L. O.
III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.

280530

Federal Science - Physiology, PT v. 11, no. 10

Office of Technical Services

Problems of General Electrophysiology, by
P. H. Kostyuk, 26 pp.

ISSIAN, per, Fiz Zhur Ak Nauk Ukraine,
Vol VIII, No 4, ~~XXIX~~ Jul-Aug 1962,
No 433-441.

JPRS 15579

S. I. - Med
Oct 62

217, 593

Microelectrode Technique, by P. G. Kostyuk,
131 pp.

RUSSIAN, bk, Mikroelektrodnaya Teknika, Kiev,
1960, pp 1-126.

JPRS 16028

Sci - Med

Nov 62

214-586

Characteristics of the Responses of Various Spinal
Neurons to Direct Stimulation, by P. G. Kostyuk,
A. I. Shapovalov, 3 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol L,
No 9, 1960, pp 8-10.

CB

Sci

156,835

Jun 61

Electrophysiology of the spinal cord, by
A. G. Postyan, 28 pp.
A. G. Postyan, Sovremennye problemy elektrofiziologii cheloveka i selodavyaniy nervov
listery, 1964, pp 115-131.
1964

p 62

U.S.P.
Sci-Tec Med Sci
Feb 1965

2.5, 271

Relation Between Electrical Polarization and
Rhythical Activity of Striated Muscle Fibre,
by P. G. Kostyuk, A. I. Shapovalov, 10 pp.

RUSSIAN, per, Biofiz, Vol V, No 5, 1960,
pp 586-594.

PP

Sci

Jun 61

156,356

Investigation of Electrical Reactions of
the Central Nervous System of the Extensor Reflex
Arc by the Use of Microelectrodes, by P. G.
Kostyuk, 4 pp.

RUSSIAN, per, Hunkovi Zapysky. Kyyivskyy
Derzhavnyy Universytet, Vol XVI, No 18, 1957,
pp 5-23. (partial tr) CIA 9041076

NIH 8-31

Sci - Medicine
Aug 59

93, 203

Electrophysiological Characteristics of Individual
Spinal Cord Neurons, by P. G. Kostyuk, 13 pp.

RUSSIAN, per, Fiziol Zhur SSSR imeni I. M.
Sechenova, Vol XLVI, No 1, 1960, pp 9-19.

Pergamon Press

Sci

Aug 60

126, 646

The Nature of Excitation and Inhibition in Single
Internuncial Neurons of the Spinal Cord, by
P. G. Kostyuk, 10 pp.

RUSSIAN, per, Fiz Zhur ~~XXXI~~ SSSR, imeni I. M. Sechenova,
Vol XLVII, No 10, 1961.

Elsevier Pub Co

Sci

Oct 62
c

216,362

Electrical Manifestations of Reciprocal
Excitation and Inhibition in Individual
Motoneurons, by P. G. Kostyuk, 10 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol ~~XXX~~,
No 6, 1958, pp 12~~0~~-12~~0~~ CIA 9041270
65 - 59

119 CXXI
NIH-8-30
AIES

Sci - Medicine

Aug 59

93, 202

Electrotonic Potentials of the Simplest Reflex Arcs
in Phenol Poisoning, by P. G. Kostyuk, 4 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XLI, No 5,
May 1956, pp 3-6.

Consultants Bureau

Sci - Medicine
May 57 CTS

48,187

Electrical Manifestations of Reciprocal
Excitation and Inhibition in Individual
Intermediate Neurons, by P. G. Nostyuk, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1,
1958, pp 219-222. CIA 9041269

MM 8-29

Sci - Medicine

Aug 59

93,201

Electrotomic Potentials in the Simplest Reflex Arc
in Strychnine Poisoning, by P. G. Kostyuk, 4 pp.

HUSSIAN, per, Byul Eksper Biol i Med, Vol XLI, No 4,
Apr 1956, pp 3-6.

Consultants Bureau

Sci - Medicine
May 57 CPS

47, 841

(FDD 25884)

Tension Reflex During a Singular Muscular Contraction,
by P. G. Kostyuk, 19 pp.

RUSSIAN, bimo per, Fiziol Zhur SSSR, Vol XLI, No 1,
Moscow, Leningrad, Jan/Feb 1955, pp 55-63.

CIA/FDD/U-7744

USSR

Sci - Medicine, neurophysiology 31,588

Jan 56 CTS

Intracellular Recording of Muscle Fibre
Potentials, by P. G. Kostyuk, A. A. Sorokina,
A. I. Shapovalov, 11 pp.

RUSSIAN, per, Biofiz, Vol IV, No 3, 1959,
pp 210-310.

Pergamon Press

Sci

Apr 60

113, 712

Intracellular Recording of Muscle Fibre Potentials.
The Wedensky (Vvedenskii) Effect, by P. G.
Kostyuk, 11 pp.

RUSSIAN, per, Biofis, Vol IV, No 2, 1959,
pp 134-142.

Pergamon Press

Sci

Mar 60

110,778

Intracellular Recording of Muscle Fibre Potentials Using Repeated Stimulation, P. G. Kostyuk, 11 pp.

RUSSIAN, per, Biofiz, Vol III, No 3, 1958,
pp 274-285.

Pergamon Inst

Sci-Med

Mar 59

82,304

Rhythmic Background Activity of Individual Spinal
Neurons, by P. G. Kostyuk, I. P. Semenyutin, & 7 pp.

RUSSIAN, per, Biofizika, Vol VI, No ~~X~~ 4, 1961.

Elsevier Pub. Co.

Sci
Jul 62

205,311

Investigation of the Conditions of Fettling and
Wear of the Hearth of a Tilting Open Hearth
Furnace, by V. A. Kostyuk, A. M. Skerubitsov,
et al, 5 pp.

RUSSIAN, per, Ogneupory, No 3-4, 1963, pp 115-118.

CB

Sci

May 64

259, 255

Industrial Units for Welding by Electron
Beam, by V. A. Kostyuk, Yu. M. Dozlov, et al.,
14 pp.

RUSSIAN, per, Svaroch Proiz, No 1, 1961,
pp 41-43. 9563459

FID MOI-1177/1

USER
Econ
Sci - Engg
25 Oct 61

171, 638

Strength of Metal Whisker Crystals Containing
Impurities, by V. G. Kostyuk, K. K. Ziling,
5 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol V, No 11,
1963, pp 3060-3065.

Amer Inst of Phys
Sov Phys - Solid State
Vol V, No 11

Sci
May 64

258,981

Strength Properties of Metallic Filamentary Crystals With Impurities, by V.G. Kostyuk.
RUSSIAN, per, Fiz.Tverd.Tela, Vol. 5, No. 11,
1963, pp 3060-3065.
GB 341/TT 479

U G. KOSTYUK.

Sci -
Aug 67

335-606

Kostyuk, V. I. [Kuntsevich] V. M.,
Mandrovskii-Sokolov, B. Yu.
"ON CHANG'S OPTIMIZATION OF THE ADAPTIVE
FUNCTION BY THE Z-TRANSFORMATION
METHOD". [1961] [20p. 24 refs.
Order from OTS or SLA \$1.60 61-18803

Trans. of Avtomatyka (USSR) 1960, no. 4, p. 14-31.

DESCRIPTORS: Automatic, *Control systems,
Synthesis, Functions, Transformations (Mathematics),
Stabilization, Errors, Noise, Data, Sampling,
Operation.

The main theses of S. S. L. Chang's paper are given.
The step-type optimal control system with a weighted
sum of all previously measured differences of the
figure of merit (or cost function) is shown to have ad-
vantages in noise stability only when the disturbances
(Engineering-Electronic, TT, v. 7, no. 9) (over)

61-18803

1. Title: Chang's optimization
- I. Kostyuk, V. I.
- II. Kuntsevich, V. M.
- III. Mandrovskii-Sokolov, B. Yu.
- IV. Chang, S. S. L.

206030

Office of Technical Services

(DC-6791)

STABILITY OF SYSTEMS WITH MULTIPLYING COMPOUND
LINKS, BY V. I. KOSTYUK, 4 PP.

RUSSIAN, PER, AVTOMATYKA, NO 5, 1961,
PP 62-64.

JPRS 14390

SCI - ELECTRON
AUTOMATION
SCI JUL 62

202,496

Comparative Studies on the Therapy of Chronic
Leukaemia With Urethane, Embekhin, Radioactive
Phosphorus and With X-Ray Irradiation, by V. I.
Kostuk, S. B. Iyaes, 8 pp.

RUSSIAN, bimo per, Problemy Gematologii i Preli-
vaniya Krovi, Vol II, No 1, 1957, pp 33- 34.

Pergamon Press

48,883

Sci - Med
Jun 57

(for NIH)

New Data on the Composition of the Piatynsk Conglomerates (Carpathians), by I. D. Gofshteyn,
V. P. Kostyuk, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXII, No 1,
1960, pp 178-180.

AGI

Sci

166, 248

Jul 61

The Problem of Miocene (Pre-paunonian)
Volcanism of Trans-Carpathia, by V. P.
Kostyuk, 15 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geolog,
No 1, 1960, pp 63-80.

Amer Geolog Inst

Sci

132, 557

Nov 60

New Data on the Age of the Garnetiferous Rhylolite-Dacites of the Soviet Transcarpathia, by V. P.
Kostyuk, G. G. Savin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 2,
1958, pp 369- 372.

Consultants Bureau

Sci - Geophys

Jan 59

79, 336

Rate of Contact Fusion of Alkali Metal-Halide Crystals, by P. A. Savintsev, V. Ye. Avericheva, M. V. Kostyukovich, 6 pp.

RUSSIAN, PER, Iz Vysashikh Ucheb Zaved, Fiz., No 4, 1960, pp 107-109. 96-2117

FM-41-31-66

Sci - Phys

180, 285

25 Jan 62

Opportunities for Developing Soviet-American
Trade, by D. I. Kostyukhin, 11 pp.

RUSSIAN, per, Mirovaya Ekonomika i Nezhdunovod-
nyye Otnosheniya, No 18, 1959.
[Signature]

Internat'l Arts and Sci Press
Soviet Highlights
Vol II, No 1
Jan 60

USRR
Econ
Feb 60

108, 503

Scale For Facilitating March Computation, by V.
Kostyukhin, 3 pp.

RUSSIAN, per, Voyennyy Vestnik, No 3, 1962.

ACSI-I-0424-C
ID 2191530

214,279

Sci
Oct 62

On the Lifting Force of Source and Dipole in
Bounded Fluid Stream, by A. A. Kostyukov, 4 p.

RUSSIAN, per, Prik Matemat i Mekh, Vol XXIII,
No 2, 1959, pp 369-391.

PP

Sci

Feb 60

106, 951

Consumption of Fluoride Salts in Aluminum Electrolytic Production, by A. A. Kostyukov, 4 pp.

RUSSIAN, per, Tsvetnye Metally, Vol I, No 6,
1960, pp 50-53.

Primary Sources

Sci
Feb 61

, 40, 247

The Resistance of Bodies in a Liquid During Its Motion Near a Vertical Wall, by A. A. Koatyukov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX, No 3,
1954, pp 349-352.

MLT M. 2759
OJC 6/13/870
180, 037

Sci - Phys

Jan 62

Relationship of the Current Efficiency in
Electrolytic Production of Aluminum to the
Composition of Anodic Gases, by A. A. Kostyukov,
7 pp.

RUSSIAN, prer, Tsvetnye Metally, Vol IV, No 3,
1963, pp 37-42.

Primary Sources

Sci
Jul 64

263,516

R-900

(DC-2534).

The Intensification of Working Aluminum
Electrolysis Units, by I. P. Gupalo, A. A.
Kostyukov, 12 pp.

Vol XXXI,
RUSSIAN, per, Tsvetnye Metally, No 11, 1958,
pp 52-60.

Moscow

US JPRS-L-1702-D

Sci - Min/met
Jun 59

89, 189

Treatment of Steel with Synthetic Slag in the
Ladle, by I. I. Kostyukov, 5 pp.

RUSSIAN, per, Metallurgist, No 11, Nov 1964,
pp 1-2.

JPRS 23934

P 5

USSR
Econ
Mar 65

276,223

Highly Plastic Oilfilled Butadiene Styrene
Rubber SBR-30AM, by V. P. Shatolov, N. M.
Kostyukov, Ye. N. Popova, T. A. Chulyakova,
L. A. Nedoinova, 5 pp.

RUSSIAN, per, Kauchuk i Resina, Vol XVIII, No 1,
1959, pp 5-6.

ACSI, N-4016

Sci - Phys

Oct 59

99,520

95

Effect of High-Energy Radiation on Ceramic Dielectrics, by N.S.Kostyukov and T.N. Smirnova, 10 p.
ZUSBLI, per, Trudy Gosudarstvennogo Radioelektronika Elektrokeramicheskogo Instituta,
4 Nov 60, pp. 170-127.
JPK 44, 745

Sci:Electronics and Electrical
Engineering
Jan 61

343, 109

22220

12 Jan 68

Effect of High-dose Ray Radiation on Organic Dielectrics
by I. A. Anuf'ev & T. G. Mironova, p. 12-17
Russian, per, *Atomizdat*,
Izdatel'stvo Akademii Nauk SSSR, 1961,
1958/ci
radio graphics,

DO - do not mutilate,

The Relation of Spot Size to Size and Angular
Disorientation of Crystallites, by E. P.
Kostyukova, 3 pp.

RUSSTAN. oer, Kristallografiya, Vol IV, No 6,
Nov-Dec 1959, pp 626-626.

Amer Inst of Phys
Sov Phys - Crystal
Vol IV, No 6

Sci
Jul 60

122,357

Increased Sensitivity in the Spectral
Determination of Rare Elements in Solution, by
Ya. D. Radikhbaum, E. S. Kostyukova, 2 pp.
3

RUSSIAN, per, Zavod Lab, Vol XXVII, No 3, 1961,
pp 306 - 305.

ISA

196, 662

Sci
Mar 62

Use of the Method of Additions in the Spectrographic Analysis of Ores for Indium and Germanium, by Ya. D. Railinbaum, E. S. Kostyukova, 3 pp.

RUSSIAN, per, Zavod Lab, Vol XXV, No 8, 1959,
pp 951-953.

Instru Soc of Amer

Sci
Aug 60

123,474

Determination of the substructural characteristics of
metallites in coarse-grained materials, by
N. Rostyukova, V. S. Rovinskii, Sop.

UDC 666.721.22.01:666.721.22.01.01
UDZHA, por, Iz Ak Nauk SSSR, Ser Fiz, Vol. 3, No. 3,
1962, pp. 331-339.

ci

AR/3

~~233,610~~
233,610

Effect of Strain Cycling on the Structure of
Deformed Pure Metals, by Gal'perin, Kostyukova,
et al, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Metall i Toplivo, No 4, 1959, pp 82-87.

ACSI I-3866
ID 2253007
525th MI Gp

248,429

Sci / M/M
Feb 64

Over Progress Made in Application of the Mostovich
Copper-extraction Method, by A. Kostyukovich, 3 pp.

RUSSIAN, np, Promyshlennaya Ekonomicheskaya Gazeta,
6 May 1960.

JPRS 9098

USSR

153, 883

Econ

Fun 61